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## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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a rough translation of minutes of the Organizational Conference of Section 10 of the Permanent CEMA Commission for Machine Construction. The conference was held in Prague from 29 to 31 October 1956. The minutes include a list of those attending the conference from Bulgaria, Hungary, East Germany, Poland, Rumania, the USSR, Czechoslovakia, and China. After a report of the various points covered in the agenda, the minutes record the adoption of a draft proposal for a work plan from April to December 1957 and for the international meetings of the various subsections.

25X1

69

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From 29 to 31 October 1956 an organizational conference of Section 10 (Electrotechnical Industry) of the Permanent Commission for Economic and Scientific-Technical Cooperation ~~in~~ in the field of Machine Construction was held in Prague. The conference was attended by the following:

Chairman of the Section

K. Burzio

Members from CEMA countries:

Bulgaria

D. Jonow

Hungary

M. Farkasch

East Germany

Sch. Jenej

K. Friedel

H. Noack

Poland

W. Schroeder

K. Morschlyn

Rumania

N. Nikolaje

G. Laszide

USSR

N. Berissenko

W. Bajew

W. Bulgakow

B. Kusnezow

Czechoslovakia

J. Sagradnik

W. Rostotschil

A. Goretzka

Sch. Palounek

Observers from Red China

Tsu Tschen-chua

Tschan-Tchin-tsen

From the Work Apparatus (Arbeits-Apparat) of the Commission

J. Terec

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**SECRET**

The conference opened with a report by Kurt Friedel on the Conference of the Permanent Commission for Economic and Scientific-Technical Cooperation in the Field of Machine Construction which was held in September 1956 in Prague. Friedel's report was made a matter of permanent record.

The second point on the agenda was a discussion of the draft of a statute ~~for~~ covering the work of the section. The draft was proposed by the chief of the Section and had been worked out by Sections 9 and 3 as well as by the Workg Group for Roller Bearings and Standardized Parts (Normteile). It was decided to adopt the draft ~~a~~ of the statute and to present it to the Commission for Machine Construction for Approval.

*\* July 1952*  
The next point covered at the conference was the evaluation of the work of Subcommittee No. 7 during the Berlin Conference of the Commission for Machine Construction. After a report on this subject by Friedel, the Section determined the recommendations ~~of~~ made by Subcommittee No. 7 at the Berlin conference <sup>of CEMA countries</sup> had led to considerable improvement in cooperation/in the field of the electrotechnical industry during the reporting period. After discussing the recommendations of the Subcommittee concerning the expansion and improvement of cable-producing machinery, it was decided to appoint Friedel responsible for working out a proposal for the organization of a special conference of interested countries to treat the problem and to discuss Friedel's proposal at the February 1957 session of the Section in Berlin.

**SECRET**

The fourth pint treated at the Section conference was the working out of a plan (a Zeitplan) for the work of the

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25X1

Section up to ~~April 1957~~ and a draft plan for the work of the Section from April to December 1957. ~~Section~~ The plans for Section conferences to be held on unification of types of electro-motors up to 100 kW and on questions concerning insulating materials for electrotechnology and for the weak-current industry ~~XXXXXXXXXX~~ (XIX (Points 23 and 24 on the Section work program respectively) were discussed and it was decided to adopt and incorporate into the protocol of the Section Conference the plans set forth for these conferences.

Point 23 of the Section work plan calls for a conference on "Working out of Suggestions for the Implementation of Standardization (Vereinheitlichung) of Types of Normal Electro-motors up to 100 kW". On 12 October 1956 the Czechoslovak member of the Section sent to other Section members a questionnaire containing requests for the data needed.

By 30 November the Section members are to forward to the Czechoslovak section member the data worked up on the basis of the questionnaire. At the same time Each Section member is to forward copies of the data it has collected directly to all other Section members. By 31 December 1956 the Czechoslovak Section member is to prepare a report and corresponding suggestions based on the data supplied. The conference itself will then be held in Prague from 22 January to 31 January 1957. Agenda for this conference will correspond to the agenda outlined in the invitations to the conference, which have already been sent.

25X1

**SECRET**

Point 24 of the Section work plan calls for ~~examining~~ the "Preparation and Execution of a ~~General~~ Specialists' Conference jointly with the Permanent Commission for Chemistry on Questions of Insulating Technology for Electrotechnology and the Weak Current Industry. Special ~~extra~~ attention is to be paid to questions of the application of electrical machines and equipment under tropical conditions." By 15 November 1956 the East German Section member was to send to all other Section members a questionnaire indicating the data required. The Section members are to send the data collected on the basis of the questionnaire directly to the East German member by 31 December 1956. At the same time, each member is to forward a copy of the data it has collected directly to all other members. Specialists from the individual countries are requested to hold lectures (Referate) at the specialists' conference. Themes for the lectures are to be forwarded to all Section members by the East German Section member by ~~fix~~ 15 December 1956. ~~Each section member is then to send to the East German member copies of the lectures which it will hold by 31 December 1956.~~ Names and functions of conference participants are to be made available to the East German member by 10 January 1957. On the basis of the data supplied to the East German member, a detailed program of work for the conference as well as for the lectures is to be worked out, and these details are to be forwarded to all members by 15 January 1957. The conference is to be held from 11 to 18 February 1957 in Berlin and is to have the following agenda:

a. Status of insulating materials for electrotechnology in

**SECRET**

**SECRET**

25X1

CEMA countries (silicones; polyethylene; casting resins -- that is, epoxide, polyester-- ; insulating lacquers, including wire lacquers, impregnating lacquers and coating lacquers; glass--that is, crude fabric, fine fabric and fibres; and mica)

- b. ~~Requirements of machinery technology~~ CEMA countries' ~~requirements~~ insulating material requirements for electrotechnology; the insulating materials in question should guarantee the highest quality of electrotechnical products.
- c. Drafting of a proposal on this question for treatment by at the Section conference.

~~xxxxxx~~

At the October Section conference in Prag it was decided that in working up data on insulating materials the requirements of Section 9 ~~xxxxxx~~ (Radio technology and Telecommunications) of the Commission for Machine Construction should be taken into consideration and that at the work group session ~~xxxxxx~~ which <sup>Section 9</sup> deals with this question/experts from the various CEMA countries should be present. It was further decided that the results of the conference on questions of making machinery suitable for use in ~~xxx~~ tropical climates (held in Budapest in November 1956) and of the conference on electromotors (Point 23) should likewise be evaluated at the insulating materials conference in Berlin.

The October 1956 Section conference in Prag adopted the following draft proposal for its work plan ~~xxx~~ for the period

**SECRET**

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**SECRET**

25X1

from April to December 1957 and decided to submit the adopted draft plan to the Permanent Commission for Machine Construction for its comments:

1. Coordination of Scientific Research Work for the Years 1957 - 1960 in the Field of Heavy Current Elektrotechnology
  - a. Section members are to send to the USSR Section member the plans for their scientific research in the above-named field for the Years 1957-1960. Plans must be submitted by 15 December 1956
  - b. During the month of January 1957 the USSR member will organize a meeting of specialists from the CEMA countries ~~xxx~~ for the purpose of ~~organizing~~ preparing the program of the specialists' conference. The ~~xx~~ worked-out program will be presented for study at the February 1957 Section conference in Berlin.
2. Low-voltage ~~xxx~~ Devices
  - a. To be held in July 1957 in Hungary. Discussion and coordination of questions concerning the development of design, of production technology and of testing methods for magnet switches up to 600 Ampere and for automatic switches for alternating current. Special attention is to be paid to the problems of using special materials of high quality.
3. Mercury Vapor Rectifiers (country and date not determined) (glass rectifiers and iron rectifiers)
  - a. Comparison and analysis of existing designs
  - b. Scope of production and demand
  - c. Rectifier types and fields of application; complete

**SECRET**

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transformer installations (Umformeranlagen)

d. Scale of voltages and powers (Leistungen)

e. Rational production technology (specifically for mercury rectifiers)

f. Specialization of production. The questionnaire on this is to be sent to all members by the USSR member by 15 December 1956. Completed questionnaires are to be returned to the USSR member by the end of March 1957 at the latest.

#### 4. Power Transformers

To be held in September 1957 in Poland. Discussion and coordination of the development of design and production technology of series of transformers up to 10 MW

#### 5. Electromotors

To be held in October 1957 in Prague Czechoslovakia. Continuation of the clarification of questions concerning electromotors. The work program will be determined at the next Section conference after study of the results of the specialists' conference on electromotors up to 100 kW.

#### 6. Insulating Materials

To be held in November 1957 in East Berlin. Continuation of clarification of questions concerning insulating materials. The work program will be decided at the next Section conference following the study of the results of the February 1957 insulating materials conference.

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The fifth point taken up at the Section conference in Prague concerned the discussion and working out of nomenclature (specifications) of ~~products~~ Section 10 products~~which~~ required for solving questions of specializing production, typification and standardization. After discussing the draft of the nomenclature ~~work~~ proposed by the Czechoslovak delegation, it was decided to require the Czechoslovak delegation to rework the draft of the product nomenclature for ~~the~~ Section 10 products ~~with~~ with consideration for the exchanges of opinion which had taken place and to forward this draft to Section 10 members by 31 December so that it can be discussed and approved at the next Section 10 conference. ~~The~~ The nomenclature worked out by the International Electrotechnical Committee (IEC) is to be used as a basis for the reworking of the Section 10 nomenclature draft.

The following Section 10 conference closed with the discussion of various problems connected with the work of the Section:

a. For the purpose of determining a more favorable procedure for preparing, for and carrying out specialists conferences it was decided to send to the USSR in January 1957 one specialist from each country for the purpose of preparing for the conference on the coordination of scientific research work in CEMA countries in the field of Heavy-Current Electrotechnology.

b. Inasmuch as Section 9 (Radio technology and Telecommunications) has the task of dealing with problems of ferromagnetic materials for the electrotechnical industry, it was decided to require all Section <sup>10</sup> members to work out, in conjunction with

**SECRET**

**SECRET**

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the Section 9 memberw of their countries requirements for ferromagnetic materials and forward these requirements to the chief of Xx Section 9, M. Farkasch. An information copy is to be sent to the Chief of Section 10, K. Burzic.

c. Since questions of tropic<sup>realization</sup>proofness are ~~discussed~~ discussed and decided by the CEMA countries separately and not within the sphere of activity of Section 10, it was decided that questions of tropicproofness are to be incorporated into the sphere of activity of the Section and are to be dealt with at the next Section 10 conference.

d. After discussing the problem of cooperation in the field of standardi ation and norms in international organizations, the Section dicided to request the Permanent Commission for Machine Construction to discuss and to recommend to all sections a unified method of working in this field.

e. For the purpose of preparing data for the session of the Commission for Cooperation in the Field of Machine Construction, it was decided to hold the next session of the Section on 19 February 1957 in East Berlin.

A protocoll of the Section 10 Conference was prepared in Russian and in on original and 16 copies. The distribution of the protocol was as follows:

original - Commission for Machine Constrectution

copies to - one each to the chairman of the Section, members of the Section and to the observers from Red China; two copies to the Apparat of the Commission; one copy to the Secretariat of the

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